

CAPS Survey Report

Year:	2011
State:	Kansas
Cooperative Agreement Name:	Canada thistle (<i>Cirsium arvense</i>) Biological Control using <i>Ceutorhynchus litura</i>
Cooperative Agreement Number:	11-8453-1227-CA and 10-8453-1227-CA extension
Project Funding Period:	January 1, 2011 – December 31, 2011 and January 1, 2010 – December 31, 2011
Project Report:	CAPS Survey Report
Project Document Date:	January 1, 2011 – December 31, 2011
Cooperators Project Coordinator:	Laurinda Ramonda
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

A. Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful.*

Participants: full time KDA staff – Darin Banks will provide monitoring and release.

- June 22, 2011 – Checked release area for previously released Canada thistle stem mining weevils. There was leaf and stem damage on approximately 50% of plants, but no evidence of damage from *Ceutorhynchus litura*. There was no evidence of weevils. Canada thistle density data: 1 meter X 1 meter plot, 53 stems (1 stem in flower, 3 stems in bud).
- September 29, 2011 - 1,800 Canada thistle stem mining weevils (*Ceutorhynchus litura*) released by Darin Banks (KDA)
- September 30, 2011 - 500 Canada thistle stem mining weevils (*Ceutorhynchus litura*) released by Reginald Beckman (Norton County Weed Director)
- Canada thistle stem mining weevils (*Ceutorhynchus litura*) were obtained from the Weedbusters BioControl

Funding Amount (USDA)	Funding Amount (KDA)	Total Number of Biological Control Agents	Cost Per Unit
Proposed = \$3,687	Proposed = \$2,497	Proposed = 1,000	Proposed= \$6.18
Actual = \$3,687	Actual = \$2,497	Actual = 2,300	Actual = \$2.69

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Canada thistle stem mining weevils	<i>Ceutorhynchus litura</i>

	Proposed	Actual
Sites (Locations):	1	1
Biological Control Agents:	1,000	2,300

Number of Counties:	1
Counties:	Norton County

2. Survey dates:

	Proposed	Actual
Biological Control Release Dates:	August 2011 – October 2011	September 29 - 30, 2011

3. Benefits and results of survey:

	Positive	Negative	Total Number
Biological Control Release	2,300	0	2,300

4. Database submissions:

Records Submitted to NAPIS

Biocontrol Insects	Positive	Negative	Total
September 29, 2011 - Canada thistle stem mining weevils (<i>Ceutorhynchus litura</i>) Norton County	1	0	1
September 30, 2011 - Canada thistle stem mining weevils (<i>Ceutorhynchus litura</i>) Norton County	1	0	1
State Total	2	0	2

B. If appropriate, explain why objectives were not met.*

C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.
*

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by

Cooperator

Date: _____

ADODR

Date: _____